Exhibit Name:	Indemnity Calculations		
Exhibit Number:	P21-1, Plan 01	**Reinsurance Year:**	2011
Record Name:	Acreage Claim	**Version:**	Approved
Record Code:	P21	**Release Date:**	8/11/2015

Insurance Plan Code		01 Yield Protection				
Commodity Code	0011 Wheat 0015 Canola	0018 Rice 0021 Cotton	0041 Corn 0051 Grain Sorghum	0078 SunFlowers 0081 Soybeans 0091 Barley		

Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
Section 1: Stage Guarantee Calculation						
Guarantee Per Acre1 = Approved Yield * Coverage Level Percent	Guarantee Per Acre1	Internal		99999999.99	When Unit of Measure equals Pounds, "LBS", then Round to whole Number. When Unit of Measure equals Tons, "Tons", then Round to 2 decimals. Otherwise, Round to 1 decimal.	Common Crop Insurance Policy 'production guarantee (per acre)'.
	Approved Yield	P11	46	99999999.99	None	
	Coverage Level Percent	P14	34	9.9999	None	
Cottonseed Endorsement Option "SE": Modified Yield = Approved Yield * Option Conversion Factor	Modified Yield	Internal		99999999.99	Round to whole number.	Information (Approved Yield and Insured Share Percent) will be obtained from Cotton P11 record.
	Approved Yield	P11	46	99999999.99	None	
	Option Conversion Factor	ADM		9.9999	None	Edit with ADM Option Rate, "A01060".
Guarantee Per Acre1 = Modified Yield * Coverage Level Percent	Guarantee Per Acre1	Internal		99999999.99	Round to whole number.	
	Coverage Level Percent	P14	34	9.9999	None	
Guarantee Per Acre2 = Guarantee Per Acre1 * Guarantee Adjustment Factor	Guarantee Per Acre2	Internal		99999999.99	When Unit of Measure equals Pounds, "LBS", then Round to whole Number. When Unit of Measure equals Tons, "Tons", then Round to 2 decimals. Otherwise, Round to 1 decimal.	
	Guarantee Adjustment Factor	P11	41	0.999	None	
Acre Stage Guarantee Amount = Guarantee Per Acre2 * Price Election Amount	Acre Stage Guarantee Amount	Internal	47	99999999.99	Round to nearest dollar and cents.	Not used in determination of Loss Guarantee Amount
	Price Election Amount	P11	49	9999.9999		Common Crop Insurance Policy 'yield protecton guarantee (per acre)'.
Section 2: Loss Guarantee Calculation						
Loss Guarantee Amount = Guarantee Per Acre2 * Price Election Amount * Determined Acreage * Liability Adjustment Factor	Loss Guarantee Amount	P21	46	99999999.99	Round to nearest dollar and cents.	
	Determined Acreage	P21	17	99999999.99	None	
	Liability Adjustment Factor	P21	38	9.999999	None	

Exhibit Name:	Indemnity Calculations		Reinsurance Year:	2011
Exhibit Number:	P21-1, Plan 01		Version:	Approved
Record Name:	Acreage Claim		Release Date:	8/11/2015
Record Code:	P21			

Insurance Plan Code		01 Yield Protection			
Commodity Code	0011 Wheat 0015 Canola	0018 Rice 0021 Cotton	0041 Corn 0051 Grain Sorghum	0078 SunFlowers 0081 Soybeans 0091 Barley	

Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
Section 3: Indemnity Calculation						
Revenue Conversion Production to Count = Production to Count Quantity * Price Election Amount	Revenue Conversion Production to Count	P21	49	99999999.99	Round to nearest dollar and cents.	
	Production to Count Quantity	P21	34	99999999.99	None	
	Price Election Amount	P11	49	9999.9999		
Unit Deficiency Quantity = Loss Guarantee Amount – Revenue Conversion Production to Count	Unit Deficiency Quantity	P21	45	S99999999.99	Round to nearest dollar and cents.	
Preliminary Indemnity Amount = Unit Deficiency Quantity * Insured Share Percent	Preliminary Indemnity Amount	P21	49	S99999999999	Round to whole number.	
	Insured Share Percent	P11	47	9.999	None	
Indemnity Amount = Preliminary Indemnity Amount * Multiple Commodity Adjustment Factor	Indemnity Amount	P21	50	S99999999999	Round to whole number.	
	Multiple Commodity Adjustment Factor	ICE		9999.999	None	Edit with ICE Multiple Cropping, "D00063".
Total Indemnity ∑ Indemnity Amount for the Unit	Total Indemnity	Internal		S99999999999	Round to whole number.	
Replant Payment for Yield Protection, "01"						
Section 4: Replant Payment Stage Guarantee Calculation						
When Stage Code equals Replanted, "R", Guarantee Per Acre1 = Approved Yield * Coverage Level Percent	Guarantee Per Acre1	Internal		99999999.99	When Unit of Measure equals Pounds, "LBS", then Round to whole Number. When Unit of Measure equals Tons, "Tons", then Round to 2 decimals. Otherwise, Round to 1 decimal.	Common Crop Insurance Policy 'production guarantee (per acre)'.
	Approved Yield	P11	46	99999999.99	None	
	Coverage Level Percent	P14	34	9.9999	None	

Exhibit Name: Indemnity Calculations						
Exhibit Number: P21-1, Plan 01			**Reinsurance Year:** 2011			
Record Name: Acreage Claim			**Version:** Approved			
Record Code: P21			**Release Date:** 8/11/2015			

Insurance Plan Code	01 Yield Protection			
Commodity Code	0011 Wheat 0015 Canola	0018 Rice 0021 Cotton	0041 Corn 0051 Grain Sorghum	0078 SunFlowers 0081 Soybeans 0091 Barley

Calculations	**Field Name**	**Record Number**	**Field Number**	**Field Format**	**Field Rounding**	**Rules**
Guarantee Per Acre2 = Guarantee per Acre1 * Guarantee Adjustment Factor	Guarantee Per Acre2	Internal		99999999.99	When Unit of Measure equals Pounds, "LBS", then Round to whole Number. When Unit of Measure equals Tons, "Tons", then Round to 2 decimals. Otherwise, Round to 1 decimal.	
	Guarantee Adjustment Factor	P11	75	0.999	None	

Exhibit Name:	Indemnity Calculations		
Exhibit Number: P21-1, Plan 01		**Reinsurance Year:** 2011	
Record Name: Acreage Claim		**Version:** Approved	
Record Code: P21		**Release Date:** 8/11/2015	

Insurance Plan Code		01 Yield Protection				

Commodity Code	0011 Wheat 0015 Canola	0018 Rice 0021 Cotton	0041 Corn 0051 Grain Sorghum	0078 SunFlowers 0081 Soybeans 0091 Barley

Calculations		**Field Name**	**Record Number**	**Field Number**	**Field Format**	**Field Rounding**	**Rules**
Acre Stage Guarantee Amount	**= Lesser of:** (20% of Guarantee Per Acre2) **OR** **(**Maximum Replant Guarantee Per Acre**)** * Price Election Amount	Acre Stage Guarantee Amount	Internal	47	999999999.99	Round to nearest dollar and cents.	Not used in determination of Loss Guarantee Amount
		Price Election Amount	P11	49	99999.9999	None	
		Maximum Replant Guarantee Per Acre	ICE				Edit with SPOI ICE "D00201129".
		20% of Guarantee Per Acre2	Internal		99999999.99	When Unit of Measure equals Pounds, "LBS", then Round to whole Number. When Unit of Measure equals Tons, "Tons", then Round to 2 decimals. Otherwise, Round to 1 decimal.	Result of '20% of Guarantee Per Acre2' will be used in 'Acre Stage Guarantee Amount' calculation and 'Loss Guarantee Amount' calculation. Value of '20% of Guarantee Per Acre2' should be rounded before compare to 'Maximum Replant Guarantee Per Acre'. If Unit of Measure = LBS Round(Guarantee Per Acre2 * 0.20, 0) If Unit of Measure = Tons Round(Guarantee Per Acre2 * 0.20, 2) Other Unit of Measures Round(Guarantee Per Acre2 * 0.20, 1)

Section 5: Replant Payment Loss Guarantee Calculation

Calculations		**Field Name**	**Record Number**	**Field Number**	**Field Format**	**Field Rounding**	**Rules**
Loss Guarantee Amount =	Lesser of ((20% of Guarantee Per Acre2) or Maximum Replant Guarantee Per Acre) * Price Election Amount * Determined Acreage * Liability Adjustment Factor	Loss Guarantee Amount	P21	46	99999999.99	Round to nearest dollar and cents.	
		Determined Acreage	P21	17	99999999.99	None	
		Liability Adjustment Factor	P21	38	9.999999	None	

Section 6: Replant Payment Indemnity Calculation

Calculations		**Field Name**	**Record Number**	**Field Number**	**Field Format**	**Field Rounding**	**Rules**
Indemnity Amount = Loss Guarantee Amount * Insured Share Percent		Indemnity Amount	P21	51	S9999999999	Round to whole number.	
		Insured Share Percent	P11	48	9.999	None	
Total Indemnity	∑ Indemnity Amount for the Unit	Total Indemnity	Internal		S9999999999	Round to whole number.	

Exhibit Name: Indemnity Calculations						
Exhibit Number: P21-1, Plan 01			**Reinsurance Year:** 2011			
Record Name: Acreage Claim			**Version:** Approved			
Record Code: P21			**Release Date:** 8/11/2015			

Insurance Plan Code	01 Yield Protection		
Commodity Code	0011 Wheat	0018 Rice	0041 Corn	0078 SunFlowers
	0015 Canola	0021 Cotton	0051 Grain Sorghum	0081 Soybeans
				0091 Barley

Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
Prevented Planting Payment for Yield Protection, "01".						
Section 7: Prevented Planting Payment Stage Guarantee Calculation						
When Stage Code equals: **Prevented Planting Option 2, "P2",** **Prevented Planting Add 10 Percent, "PT",** **Prevented Planting Add 5 Percent, "PF"** Guarantee Per Acre1 **=** Approved Yield * Coverage Level Percent	Guarantee Per Acre1	Internal		99999999.99	When Unit of Measure equals Pounds, "LBS", then Round to whole Number. When Unit of Measure equals Tons, "Tons", then Round to 2 decimals. Otherwise, Round to 1 decimal.	Common Crop Insurance Policy 'production guarantee (per acre)'.
	Approved Yield	P11	46	99999999.99	None	
	Coverage Level Percent	P14	34	9.9999	None	
Cottonseed Endorsement Option "SE": Modified Yield **=** Approved Yield * Option Conversion Factor	Modified Yield	Internal		99999999.99	Round to whole number.	Information (Approved Yield and Insured Share Percent) will be obtained from Cotton P11 record.
	Approved Yield	P11	46	99999999.99	None	
	Option Conversion Factor	ADM		9.9999	None	Edit with ADM Option Rate, "A01060".
Guarantee Per Acre1 **=** Modified Yield * Coverage Level Percent	Guarantee Per Acre1	Internal		99999999.99	Round to whole number.	
	Coverage Level Percent	P14	34	9.9999	None	
Guarantee Per Acre2 **=** Guarantee per Acre1 * Guarantee Adjustment Factor	Guarantee Per Acre2	Internal	~~101~~	99999999.99	When Unit of Measure equals Pounds, "LBS", then Round to whole Number. When Unit of Measure equals Tons, "Tons", then Round to 2 decimals. Otherwise, Round to 1 decimal.	
	Guarantee Adjustment Factor	P11	75	0.999	None	

Exhibit Name: Indemnity Calculations				**Reinsurance Year:** 2011		
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Record Name: Acreage Claim				**Release Date:** 8/11/2015		
Record Code: P21						

Insurance Plan Code		01 Yield Protection				
Commodity Code	0011 Wheat 0015 Canola	0018 Rice 0021 Cotton		0041 Corn 0051 Grain Sorghum	0078 SunFlowers 0081 Soybeans 0091 Barley	

Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
Acre Stage Guarantee Amount = Guarantee Per Acre2 * Price Election Amount	Acre Stage Guarantee Amount	Internal	47	999999999.99	Round to nearest dollar and cents.	Common Crop Insurance Policy 'yield protecton guarantee (per acre)'. Not used in determination of Loss Guarantee Amount.
	Price Election Amount	P11	49	99999.9999	None	
Section 8: Prevented Planting Payment Loss Guarantee Calculation						
Loss Guarantee Amount = Guarantee Per Acre2 * Price Election Amount * Determined Acreage * Liability Adjustment Factor	Loss Guarantee Amount	P21	46	99999999.99	Round to nearest dollar and cents.	
	Determined Acreage	P21	17	99999999.99	None	
	Liability Adjustment Factor	P21	38	9.999999	None	
Section 9: Prevented Planting Payment Indemnity Calculation						
Preliminary Indemnity Amount = Loss Guarantee Amount * Insured Share Percent	Preliminary Indemnity Amount	P21	49	S9999999999	Round to whole number.	
	Insured Share Percent	P11	47	9.999	None	
Indemnity Amount = Preliminary Indemnity Amount * Multiple Commodity Adjustment Factor	Indemnity Amount	P21	50	S9999999999	Round to whole number.	
	Multiple Commodity Adjustment Factor	ICE		9999.999	None	Edit with ICE Multiple Cropping, "D00063".
Total Indemnity ∑ Indemnity Amount for the Unit	Total Indemnity	Internal		S9999999999	Round to whole number.	
Malting Barley Price and Quality Endorsement (Options MA and MB)						
Section 10: Malting Barley Stage Guarantee Calculation						
Guarantee Per Acre1 = Approved Yield * Coverage Level Percent	Guarantee Per Acre1	Internal		999999999.9	Round to 1 decimal.	
	Approved Yield	P11	46	99999999.99	None	Common Crop Insurance Policy 'producer guarantee (per acre).
	Coverage Level Percent	P14	34	9.9999	None	
Guarantee Per Acre2 = Guarantee per Acre1 * Guarantee Adjustment Factor	Guarantee Per Acre2	Internal	101	99999999.99	Round to 1 decimal.	
	Guarantee Adjustment Factor	P11	75	0.999	None	

Exhibit Name: Indemnity Calculations						
Exhibit Number: P21-1, Plan 01			**Reinsurance Year:** 2011			
Record Name: Acreage Claim			**Version:** Approved			
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Insurance Plan Code		01 Yield Protection				
Commodity Code	0011 Wheat 0015 Canola	0018 Rice 0021 Cotton		0041 Corn 0051 Grain Sorghum		0078 SunFlowers 0081 Soybeans 0091 Barley

Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
Acre Stage Guarantee Amount = Guarantee Per Acre2 * Price Election Amount	Acre Stage Guarantee Amount	Internal		999999999.99	Round to dollar and Cents	Common Crop Insurance Policy 'yield protecton guarantee (per acre)'. Not used in determination of Loss Guarantee.
	Price Election Amount	P11	49	99999.9999	None	
Section 11: Malting Barley Loss Guarantee Calculation						
Loss Guarantee Amount = Guarantee Per Acre2 * Price Election Amount * Determined Acreage * Liability Adjustment Factor	Loss Guarantee Amount	P21	46	99999999.99	Round to nearest dollar and cents.	
	Determined Acreage	P21	17	99999999.99	None	
	Liability Adjustment Factor	P21	38	9.999999	None	

Exhibit Name: Indemnity Calculations				
Exhibit Number: P21-1, Plan 01		**Reinsurance Year:** 2011		
Record Name: Acreage Claim		**Version:** Approved		
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Insurance Plan Code	01 Yield Protection			
Commodity Code	0011 Wheat 0015 Canola	0018 Rice 0021 Cotton	0041 Corn 0051 Grain Sorghum	0078 SunFlowers 0081 Soybeans 0091 Barley

Calculations		**Field Name**	**Record Number**	**Field Number**	**Field Format**	**Field Rounding**	**Rules**
Section 12: Malting Barley Indemnity Calculation							
Revenue Conversion Production To Count	= Production to Count Quantity * Price Election Amount	Revenue Conversion Production To Count	P21	43	99999999.99	Round to nearest dollar and cents.	
		Production to Count Quantity	P21	34	99999999.99	None	
		Price Election Amount	P11	49	99999.9999	None	
Unit Deficiency Quantity	= Loss Guarantee Amount – Revenue Conversion Production to Count	Unit Deficiency Quantity	P21	45	S99999999.99	Round to nearest dollar and cents.	
Preliminary Indemnity Amount	= Unit Deficiency Quantity * Insured Share Percent	Preliminary Indemnity Amount	P21	49	S9999999999	Round to whole number.	
		Insured Share Percent	P11	47	9.999	None	
Indemnity Amount =	Preliminary Indemnity Amount * Multiple Commodity Adjustment Factor	Indemnity Amount	P21	50	S9999999999	Round to whole number	
		Multiple Commodity Adjustment Factor	ICE		9999.999	None	Edit with ICE Multiple Cropping, "D00063".
Total Indemnity	∑ Indemnity Amount for the Unit	Total Indemnity	Internal		S9999999999	Round to whole number.	